

Date: Tue, 16 Aug 94 20:29:31 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #924
To: Info-Hams

Info-Hams Digest Tue, 16 Aug 94 Volume 94 : Issue 924

Today's Topics:

ARLX025 PVRC Championships
cell RF characteristics
Cincinnati Hfest loc?
Duke City Hamfest
Grounding/Lightning protection
HAM's in Toronto: Need Some Info
Ham Radio & More Station List
Help need op manual 4 IC-P2AT
Is there a FAQ on Internet Ham Resources
Lafayette receiver documentation sought
Mobile Radio Theft Insurance?
New General Exam Questions
Slow Code idea by Wayne (3 msgs)
test 123

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 15 Aug 1994 08:42:58 EDT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!bloom-beacon.mit.edu!
news2.near.net!usenet.elf.com!rpi!psinnntp!arrl.org!usenet@network.ucsd.edu
Subject: ARLX025 PVRC Championships
To: info-hams@ucsd.edu

SB SPCL @ ARL \$ARLX025
ARLX025 PVRC Championships

ZCZC AX57
QST de W1AW
Special Bulletin 25 ARLX025

Date: Tue, 16 Aug 1994 12:45:10 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!sundog.tiac.net!usenet.elf.com!rpi!psinnntp!arrl.org!
zlau@network.ucsd.edu
Subject: cell RF characteristics
To: info-hams@ucsd.edu

kevin jessup N9SQB (kevin.jessup@mixcom.mixcom.com) wrote:

: How high of a sample rate is required to actually get accuracy in
: a 146 MHz transmitter finger print? ;-)) Nyquist says at least
: twice that, right? Must be some damn powerful hardware out
: there selling dirt-cheap in QST! ;-))

The Nyquist criteria doesn't apply to 146 MHz. We can reasonably assume
the signal is bandwidth limited for our purposes. If we sample at twice
the maximum expected modulation rate, we will meet the criteria.

Actually, it may be argued that the Nyquist rate doesn't apply.
We are merely trying to determine signals uniquely, not reproduce
them precisely. This is the basis of fingerprinting. You don't
need a full color 3 dimensional image to incriminate someone, much
less enough information to clone someone. :-).

--
Zack Lau KH6CP/1 2 way QRP WAS
 8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: 16 Aug 1994 14:02:23 -0600
From: mnemosyne.cs.du.edu!nyx10.cs.du.edu!not-for-mail@uunet.uu.net
Subject: Cincinnati Hfest loc?
To: info-hams@ucsd.edu

Can anyone tell me where the Cincinnati, OH hamfest is being held this
year? It moved from the old Stricker's Grove location into the metro
Cinti area, but I don't know where. Approximate directions or an address

for the fest would be greatly appreciated; the FAQ only lists the mail address of the organizer....

--

Greg Dunn	"Information is not knowledge;
Greg@gdunn.nawc-ad-indy.navy.mil	knowledge is not wisdom;
72447.1310@compuserve.com	wisdom is not truth."
GregDunn@aol.com	Frank Zappa

Date: Mon, 15 Aug 1994 13:01:15 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!
jobone!lynx.unm.edu!tesuque.cs.sandia.gov!sloth!miller@network.ucsd.edu
Subject: Duke City Hamfest
To: info-hams@ucsd.edu

Duke City Hamfest/New Mexico State Convention, Albuquerque, New Mexico
August 20, 1994
VEC Exams-contact AA5MK, Bob Witter @ 505-292-3218
All Tables are sold out (indoors)
Outdoor swapfest is free, on a first come/first served basis
Swapfest set up starts at 0600 MDT, Aug. 20th.
Free Admission
Doors open to the Public @ 0700 MDT, August 20th
Talk in on 147.15 MHz (+600KHz) & 147.10 MHz (pL 67Hz, +600 KHz)
No overnight parking/camping
Further information can be obtained by calling 505-821-2771, Ray & Robbie
Hill, KC5FT/KB5SF
ARRL, MARS, plus other forums
Indoor T-Hunt, coordinated by K5QQ, James Baremore
The Place: NM National Guard Armory, 600 Wyoming Blvd. NE, Albuquerque, NM
(3/4 of a mile south of the intersection of I-40 & Wyoming Blvd.)
CAUTION: No U Turns in front of the Armory, The Albuquerque Police Dept.
Sub-station is down the street & they will issue citations, if You are
caught executing a U turn.

Via the Internet: WA5WHN@ABQ-ROS.COM
WA5WHN@SWCP.COM

Date: Mon, 15 Aug 1994 07:48:44
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!udel!news.sprintlink.net!
indirect.com!s146.phxslip.indirect.com!lenwink@network.ucsd.edu
Subject: Grounding/Lightning protection
To: info-hams@ucsd.edu

Roger Block, President of PolyPhaser, Inc, the wellknown company that manufactures lightning protection devices as well as grounding devices and technical videos, will be the guest on the Ham Radio & More show this Sunday, 8/21/94. This is the time to find out how you can better ground your station and protect it from lightning, surges, etc. The Ham Radio & More show is on the Talk America Network in more than 20 cities and via TVRO satellite on Spacenet 3, Transponder 9, 6.8 audio. Formore information call, 1-602-241-1510. The show airs each Sunday at 6:00pm EST and you can call in toll free at 1-800-298-talk. 73, Len, KB7LPW

Date: 16 Aug 1994 15:41:04 GMT
From: news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!
travelers.mail.cornell.edu!news.kei.com!eff!news.umbc.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!torn!news.unb.@@ihnp4.ucsd.edu
Subject: HAM's in Toronto: Need Some Info
To: info-hams@ucsd.edu

Hi. A friend of mine (V01ANJ) is moving to Toronto on the 23 of this month and he was looking for the following information:

- 1) The frequencies and calls for the local repeaters in and around Toronto.
- 2) Packet frequencies and packet BBS's in the area.
- 3) HAM clubs in the area.
- 4) HAM BBS's or regular bbs's in Toronto.
- 5) Reasonably priced public Internet Access and how \$\$\$.

If anyone has this or any other information relating to amateur radio in the Toronto area, he'd be quite grateful. Please e-mail me at the address in my Sig.

73 de Paul (V01PPT)

--

Paul Traverse
Memorial University of Newfoundland
ptravers@morgan.ucs.mun.ca

Date: 15 Aug 1994 14:57:06 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!udel!news.sprintlink.net!
indirect.com!usenet@network.ucsd.edu

Subject: Ham Radio & More Station List
To: info-hams@ucsd.edu

Date: Tue, 16 Aug 1994 07:48:07 -0400
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!swrinde!elroy.jpl.nasa.gov!wp-sp.nba.trw.com!gatekeeper.esl.com!m21006.esl.com!user@network.ucsd.edu
Subject: Help need op manual 4 IC-P2AT
To: info-hams@ucsd.edu

Hi all, can anyone mail or fax a copy of the operating manual for the IC-P2AT.
I'd be willing to pay for the mail or fax either way. Please e-mail or call if u can help. Thanks Doug 73 408 738-2888 x5825

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"No man can be condemned for owning a dog. As long as he has a dog, he has a friend; and the poorer he gets the better friend he has." Will Rogers...
* * *
* 73 Doug Huston KC6FRY Airedale owner *
* * *
Comments and views are strictly mine, and no way reflect the views of ESL.

Date: 15 Aug 1994 14:19:04 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!EU.net!Germany.EU.net!news.dfn.de!news.uni-jena.de!prakinf2.PrakInf.TU-Ilmenau.DE!hekla!tom@network.ucsd.edu
Subject: Is there a FAQ on Internet Ham Resources
To: info-hams@ucsd.edu

In article <k0LVqc4w165w@stat.com>, david@stat.com (David Dodell) writes:
|> The subject says it all, is there a listing of the available ham-radio
|> mailing lists, WWW, callbook servers, etc in a single listing?
|>
|> david wb7tpy
|>
|> ---
|> Editor, HICNet Medical Newsletter
|> Internet: david@stat.com FAX: +1 (602) 451-1165
|> Bitnet : ATW1H@ASUACAD
try <http://www.systemtechnik.tu-ilmenau.de/ham.html>

73, Thomas, DL5ATP

--

Thomas Planke
Technical University of Ilmenau
<http://www.systemtechnik.tu-ilmenau.de/tp.html>

Planke@Systemtechnik.TU-Ilmenau.DE
Phone: +49 3677/69-1465

Date: Tue, 16 Aug 1994 15:27:17 GMT
From: ncrgw2.ncr.com!ncrhub2!attwat!53iss6!dgs@uunet.uu.net
Subject: Lafayette receiver documentation sought
To: info-hams@ucsd.edu

Hi all... I posted about this over a year ago and had no joy. I have a bit of new info and thought I would try again.

I have acquired a Lafayette KT-340 (tube-type) SW receiver with no documentation. I believe this model may have been the kit version of some other Lafayette radio (HA-??? I saw one once that looked identical and now kick myself for not looking closer). Anyway, I will describe the set and ask anyone with a model like this (or a hollow-state reference book listing something like this) to contact me - even if it is just with the model number of the factory built version.

The set has nine tubes (1 5Y3G, 1 6AQ5, 2 6AV6, 3 6BA6, 2 6BE6) with at least 3 big 455KHz IF cans. The console has the following controls (left to right): Function (off/AM/Send/Q-mult), AF Gain, Selectivity (locks fully CW at "AM/SSB" marking), BFO-Q Multiplier, Band (4 position), IF gain, Ant Trim, AVC/MVC, ANL. Glass dial above with S-meter on left side and Main Tuning/Bandspread dials to the right.

If someone recognizes my poor orphan, give a shout. I would be most grateful (and pay for) for a user manual, schematic or especially service/alignment instructions or copy of same.

.....Dave

Remember: Net.advice is usually worth what you pay for it.
VOICE:+1-519-884-1710x5701 FAX:+1-519-884-0610 NCR VoicePlus:643-5701 DoD#: 66
Dave.G.Schwartz@Waterloo.NCR.COM UUCP:{uunet!ncrcom,maytag!attwat!53iss6!dgs

Date: 16 Aug 1994 16:53:07 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!ceylon!NewsWatcher!user@network.ucsd.edu
Subject: Mobile Radio Theft Insurance?

To: info-hams@ucsd.edu

Does anyone know of specialized insurance companies that will sell a stand-alone policy on ham radio equipment mounted in your car. I believe that the ARRL has such a service. Anyone know of others? An idea of prices?

Better safe than sorry!!

Don,
WA2AOL

Date: 12 Aug 1994 16:57:44 GMT
From: ihnp4.ucsd.edu!news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!
news.cac.psu.edu!howland.reston.ans.net!vixen.cso.uiuc.edu!news.uoregon.edu!
gaia.ucs.orst.edu!news.reed.edu!usenet@@
Subject: New General Exam Questions
To: info-hams@ucsd.edu

I Just got them from the ARRL info server.

Send e-mail to: info@arrl.org With subject line: request
In the body of the message type:
send gen-1.new
send gen-2.new
quit

End of line...
jfilner@reed.edu

Waiting for my call : (

Date: Mon, 15 Aug 1994 15:35:26 GMT
From: ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!gatech!
cs.utk.edu!stc06.CTD.ORNL.GOV!xdepc.eng.ornl.gov!wyn@network.ucsd.edu
Subject: Slow Code idea by Wayne
To: info-hams@ucsd.edu

In article <lenwink.174.0007BF27@indirect.com> lenwink@indirect.com (Len Winkler) writes:

>Wayne Green, publisher of 73 Magazine, said on the Ham Radio & More
>show, 8/14/94, that we should have only 1 class of amateur license. It
>should require 5 wpm code knowledge and more theory than is tested

>now. It would allow full priviledges on all bands.

I had been wondering where some of the strange ideas were coming from over on r.r.a.p. Now I know. W2NSD's editorial columns and some of the posts there sound very familiar. ;-)

73,
Clay
N4AOX
wyn@ornl.gov

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=====
=          ...-  .. ...-  .-  -  . .-..  . --.  .-  .-..  ....  -.--  =
=====
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Date: Tue, 16 Aug 1994 12:40:22 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
gatech!wa4mei!ke4zv!gary@network.ucsd.edu
Subject: Slow Code idea by Wayne
To: info-hams@ucsd.edu

In article <CuLFJp.4rt@srngenprp.sr.hp.com> alanb@hpnmarb.sr.hp.com (Alan Bloom) writes:

>
>The problem is that the tougher theory test just won't happen. It is much
>more politically palatable to make exams easier. The no-code Technician
>is a good example: not only was the code test deleted but the written test
>was actually made simpler. (In the old days, the Tech and General written
>exams were the same.)

They split off the General questions from Tech in 1987, long before the code test free Tech license came out. The idea was that the Techs didn't need to know the material on HF propagation, operation, and rules since they couldn't operate there. That made sense, but the FCC screwed it up. Instead of increasing the VHF+ questions, they just divided the old written in half because it was easiest for them to do. That made the Tech written too easy.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				gary@ke4zv.atl.ga.us

Date: Mon, 15 Aug 1994 07:44:45
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!udel!news.sprintlink.net!
indirect.com!s146.phxslip.indirect.com!lenwink@network.ucsd.edu
Subject: Slow Code idea by Wayne
To: info-hams@ucsd.edu

Wayne Green, publisher of 73 Magazine, said on the Ham Radio & More show, 8/14/94, that we should have only 1 class of amateur license. It should require 5 wpm code knowledge and more theory than is tested now. It would allow full privileges on all bands. Wayne also said he wants to see programs started in schools. Every school should have a ham club and actually teach electronics and amateur radio. This will most definitely advance the hobby and technology.
73, Len, KB7LPW

Date: 15 Aug 94 19:04:00 -0500
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!
nntp.cs.ubc.ca!torn!fonorola!rcorco!illusion!mtlnet!micronet!
Mario.Ferland@network.ucsd.edu
Subject: test 123
To: info-hams@ucsd.edu

ceci est un test internet!

Date: Tue, 16 Aug 1994 12:01:20 GMT
From: xnet!quake.xnet.com!vpnet!tella5!jwa@uunet.uu.net
To: info-hams@ucsd.edu

References <carreiroCuAzp.566@netcom.com>, <32df2m\$547@jericho.mc.com>,
<32nohi\$2bd@hebron.connected.com>n
Subject : Re: Which HAM callsign CD ROM is best?

In article <32nohi\$2bd@hebron.connected.com> toddw@connected.com (Todd Wilburn) writes:

>You might want to save the \$\$\$'s and try telnetting to
>'electra.cs.buffalo.edu 2000'
>
>

I just purchased a CD called "QRZ". It's loaded with Ham info, software and a database. It also contains a download from the the site that was mentioned above.

Jack Albert WA9FVP (Fellow Radio Hacker)
Tellabs Operations Inc.
1000 Remington Blvd Voice (708) 378-6201
Bolingbrook, IL 60440 FAX (708) 378-6721

"I'm normal, I'm normal, I'm normal"!

From MTV's Liquid Television

Date: (null)

From: (null)

--

```
/'_      kevin.jessup@mixcom.com |  
{      }/ Marquette Electronics, Inc | Time for another tea party!  
\      / Milwaukee, Wisconsin, USA |  
|__*| N9SQB, ARRL, Amateur Radio |
```

Date: (null)

From: (null)

Date: Tue, 16 Aug 1994 15:31:28 GMT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!uwm.edu!
mixcom.com!kevin.jessup@network.ucsd.edu

To: info-hams@ucsd.edu

References <32n42n\$2go@usenet.elf.com>, <1994Aug15.213951.6948@mixcom.mixcom.com>,
<32osrc\$hrb@agate.berkeley.edu>

Subject : Re: cell RF characteristics

In <32osrc\$hrb@agate.berkeley.edu> kennish@kabuki.EECS.Berkeley.EDU (Ken A.
Nishimura) writes:

>In article <1994Aug15.213951.6948@mixcom.mixcom.com>,
>kevin jessup <kevin.jessup@mixcom.mixcom.com> wrote:

>>Take the popular transmitter "finger printing" software/hardware advertised
>>in the back pages of QST. Take 20 cheap radios (Alinco DJ180T) and see

>>if this "fancy software" really can uniquely identify EACH AND EVERY
>>radio without error in a random run of 1000 key-ups. Any guesses
>>on accuracy??

>Having not done this experiment, I can't comment on this part.

I think that is a VERY important aspect. Many low-end radios are quite common among the ham population using even a single repeater.

>>How high of a sample rate is required to actually get accuracy in
>>a 146 MHz transmitter finger print? ;-)) Nyquist says at least
>>twice that, right? Must be some damn powerful hardware out
>>there selling dirt-cheap in QST! ;-))

>Ahh, another person who doesn't understand the Nyquist theorem.

What's the matter Ken? Two smileys in the above paragraph STILL did not get across to you that it was a joke?? I guess I should have put one after the second sentence too. <sigh> My fault. Indirectly, the Nyquist comment did get you out of the woodwork! ;-)
Anyway, thanks for some interesting commentary that answered most of my questions. I cannot speak for the originator, of course.

>So in summary, fingerprinting is a good way of tracking down jerks
>on repeaters. Of course, to do it right costs a bit of money
>in equipment. I can't vouch for the product advertised in QST.

I think catching them on the input is the biggest problem, HTs being low-power devices and all.

>It probably won't stand up in court, by itself. It is more or
>less a tool to determine who the suspects are, and then one can
>use more traditional methods to proceed.

Any estimate on how much data is required to be saved in a single "finger-print" record? You do seem to think that the characteristics will not change over time. Guess we'll have to see if it ever does fly in the amateur radio community. I guess if you wanted to deliberately be obnoxious, you could use a different radio only for that purpose.

End of Info-Hams Digest V94 #924
